

*E.O. Book*

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-342  
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1987 model-year gasoline engines have shown compliance with the transient test procedures and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,500 to 14,000 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HFM05.8BTA4	351 (5.8)	Air Injection - Pump Exhaust Gas Recirculation Heated Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:


<u>Engine Family/GVWR</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
HFM05.8BTA4 8,500-14,000	1.0	8.3	5.4

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 21<sup>st</sup> day of July, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY GASOLINE ENGINES

Manufacturer Ford Motor Company Engine Family HFM05.8BTA4  
 Liters (CID) 5.8L (351) Eng. Type V-8  
 Emission Control Sys. and (Special Features) AIP/EGR/TWC/HOS (EFI)

Engine Model (Engine Code)	Maximum Rated HP at RPM	Rated Torque at RPM	Ignition System (ECU)	Fuel System  injectors	EGR Valve	Catalyst
5.8L			Mfr. -12A650- Part Number	Mfr. -9F593- Part Number	Mfr. -9F483- Part Number	Mfr. -5E212- Part Number
(875AR00)	210 @ 4000	314 @ 2800	E8TF-ATA	E5TE-BB	E8TE-BA	E8TA-KA
(875RR00)	same ↓	same ↓	E8TF-NA	same ↓	same ↓	same ↓
(875RR01)			same			
(876AR00)			E8TF-AUA			
(876RR00)			same			
(875AR10) ✓			E8TF-ATB ✓			
(875RR10) ✓			E8TF-NB ✓			
(876AR10) ✓			E8TF-AUB ✓			

Date of Issue \_\_\_\_\_

Revisions: